

Amendments to the Claims:

1 – 3 (Canceled)

4. (Currently Amended) A method for constructing a knowledge representation, the method comprising the steps of:

selecting articles to serve as an information source for the knowledge representation;

extracting and formatting information contained in the articles for storage in the knowledge representation including representing a fact expressed in an article's natural language as at least an object and process relationship, ~~wherein the information extraction is performed by knowledge extraction personnel;~~

verifying that the information extracted from the selected articles ~~by knowledge extraction personnel~~ is correct and that it has been placed in the correct format for storage in the knowledge representation, ~~wherein the verification is performed by quality control personnel;~~ and

storing the formatted information in the knowledge representation.

5. (Canceled)

6. (Previously Presented) The method of claim 4 wherein both the extracting step and verifying step are performed by the same person, which person has been qualified by a predetermined procedure to perform both steps simultaneously.

7. (Original) The method of claim 4 wherein at least the steps of extracting and verifying occur in geographically separated locations.

8. (Original) The method of claim 7 wherein the geographically separate locations are chosen based upon the cost of performing the respective steps of extracting and verifying, the lowest cost location for each step being selected.

9. (Previously Presented) The method of claim 4, wherein the extracting information step includes using a computer-driven parser of natural language.

10. (Previously Presented) The method of claim 4, wherein the representing step includes representing an object and process relationship in the form of the process being an action that acts upon the object.

11. (Previously Presented) The method of claim 4, wherein the representing step includes representing an object and process relationship in the form of the first object being an effector of the process and the process is an action that acts upon one or more second objects.

12. (Currently Amended) A system for extracting information from articles originating from a first database and storing the extracted information in a second database, the system comprising:

an information ~~extraction unit which~~ extractor that extracts a finding from an article's natural language and translates this finding into a structured finding comprising at least an object, process, and a relationship between the object and process, wherein the information extractor is an application program;

a ~~database management unit~~ content reviewer in communication with the information ~~extraction unit~~ extractor for verifying whether the structured finding has been properly formatted for storage in the second database, wherein the content reviewer is an application program;

~~an information storage unit~~ a computer system in communication with the second database for storing the structured finding in the second database.

13. (Previously Presented) The system of claim 12, further comprising a query management and information display unit for responding to user inquiries for information stored in the second database and for retrieving information from the second database in response to those queries.

14. (Previously Presented) The system of claim 12, wherein the second database is frame-based.

15. (Previously Presented) The system of claim 12, wherein the structured finding is formatted according to a fact-based model.

16. (Currently Amended) The system of claim 12, wherein the relationship between the object and process takes the form of the process ~~[[is]]~~ being an action that acts upon the object.

17. (Previously Presented) The system of claim 12, wherein the object is a gene, protein, cell, or organism.
18. (Previously Presented) The system of claim 12, wherein the finding is derived from one or more sentences, a portion of a sentence, a diagram, figure or table.
19. (Previously Presented) The system of claim 12, wherein the second database includes an ontology.
20. (Currently Amended) The system of claim 12, wherein the first database is coupled to, and in communication with the information extractor ~~extraction unit~~.
21. (Currently Amended) The system of claim 12, further including ~~an article selection unit a~~ server, for selecting articles for information extraction from among a plurality of articles residing in the first database.
22. (Previously Presented) The system of claim 12, wherein the article's representation of the finding has a first format and wherein the translation of the finding includes a translation of the finding into a natural language having a second format.
23. (Previously Presented) The system of claim 12, wherein information is extracted using a user template.
24. (Previously Presented) The system of claim 12, wherein information is extracted using a computer driven parser of the natural language.
25. (Previously Presented) The system of claim 12, wherein the structured finding comprises a first object, second object and a process relationship.
26. (Previously Presented) The system of claim 12, wherein the structured finding comprises an object, a process and a process relationship.
- 27-34 (Canceled)
35. (Previously Presented) The system of claim 12, wherein the object is an effector of a plurality of processes and all of these processes are actions that act upon a second object.
36. (Previously Presented) The system of claim 12, wherein the article's natural language

includes a first and second finding and wherein the first finding comprises the process and object and the object includes the second finding.

37. (New) A system comprising:

a) a server configured to:

- 1) select an article from a database for extraction;
- 2) assign an article to an information extractor for extraction of information from an article to be structured into at least an object, process, and a relationship between the object and process;
- 3) receive information extracted by information extractor;
- 4) assign the article and extracted information to a content reviewer;
- 5) receive corrections to extracted information from the content reviewer; and

b) an information store for storing the extracted information.

38. (New) The system of claim 37, further comprising the server configured to:

- 1) assign the article to an information model structure reviewer;
- 2) receive changes or updates to information model structure from the information model structure reviewer; and
- 3) store changes or updates to information model structure in the information store.

39. (New) The system of claim 37, wherein the information extraction process and content review process are performed at different geographical sites.

40. (New) The system of claim 37, wherein the server is further configured to receive information about quality control metrics.

41. (New) The system of claim 40, wherein the server is further configured to store information about quality control metrics in the information store.

42. (New) The system of claim 37, wherein the server is further configured to comprise a query management and information display unit for responding to user inquiries for information stored in the information store and for retrieving information from the information store in response to those queries.
43. (New) The system of claim 37, wherein the information store is frame-based.
44. (New) The system of claim 37, wherein the structured information is formatted according to a fact-based model.
45. (New) The system of claim 37, wherein the relationship between the object and process takes the form of a process being an action that acts upon the object.
46. (New) The system of claim 37, wherein the structured information is derived from one or more sentences, a portion of a sentence, a diagram, figure or table.
47. (New) The system of claim 37, wherein the information store includes an ontology.